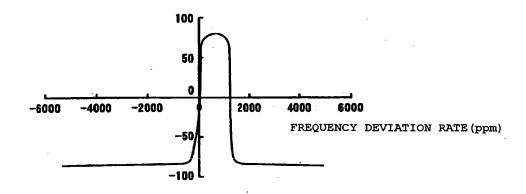


- 10: MASS MEASUREMENT APPARATUS
- 12: PIEZOELECTRIC VIBRATION REED FOR MASS MEASUREMENT
- 14: EXCITATION CIRCUIT
- 16: SIGNAL PROCESSING UNIT
- 20: PLL CIRCUIT
- 24: PRESSURE CONTROLLED OSCILLATOR

FIG. 2

PHASE (DEGREE)



F I G. 3

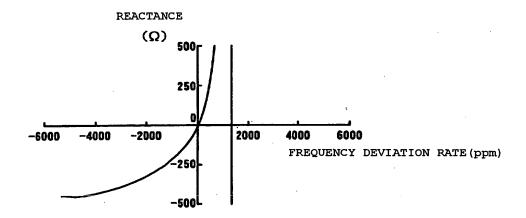
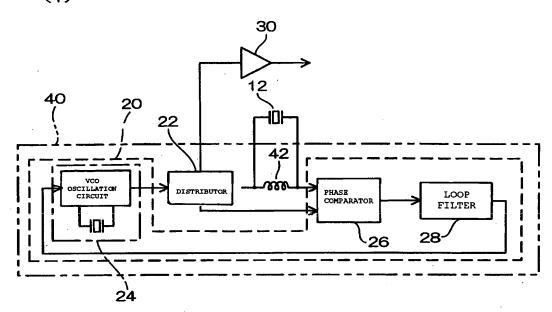
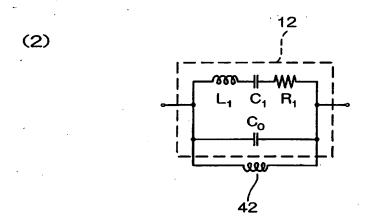


FIG. 4

(1)

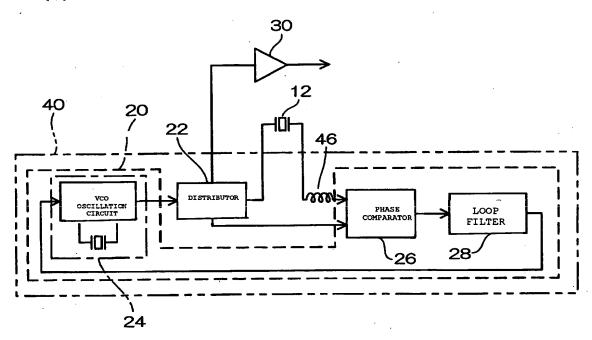


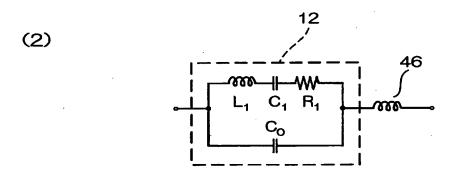


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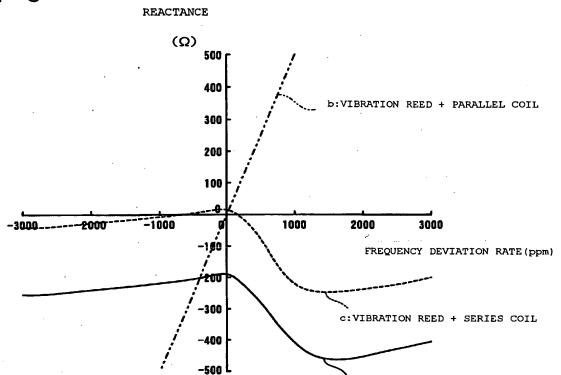
FIG. 5

(1)



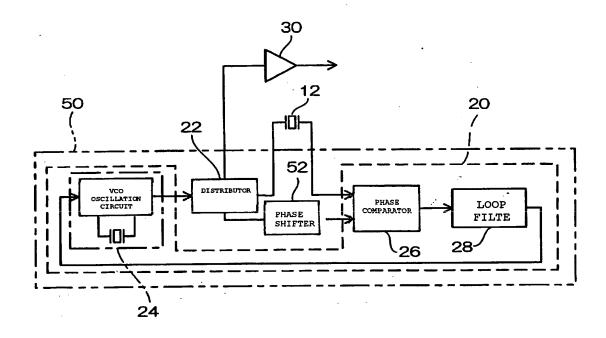




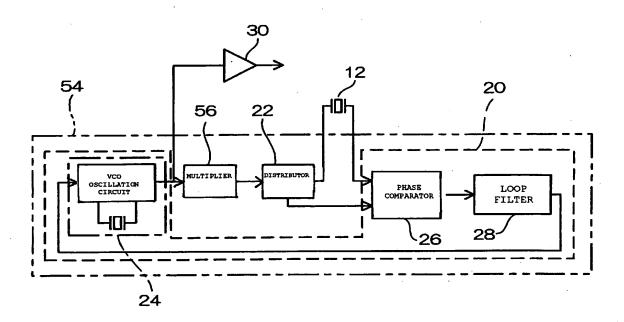


a:SINGLE ELEMENT OF VIBRATION REED

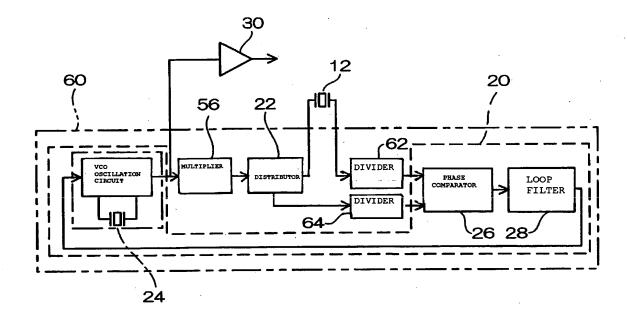
F I G. 7



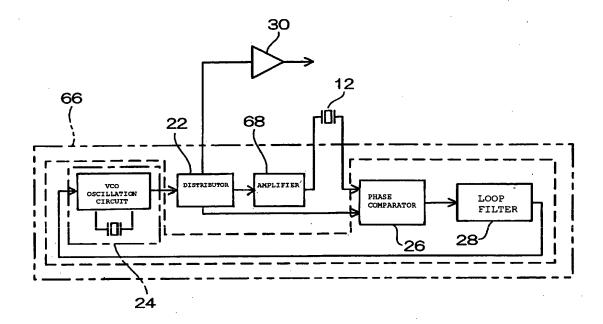
F I G. 8

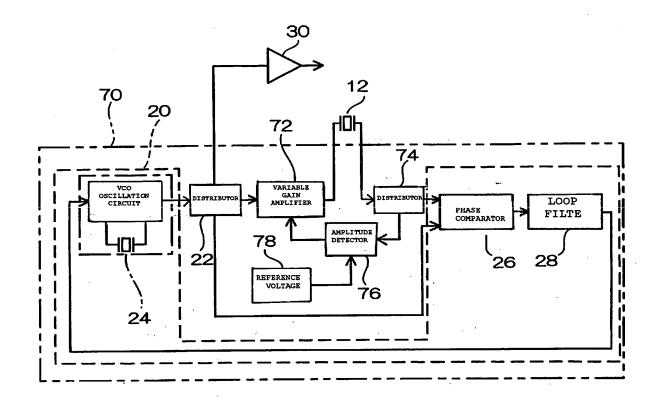


F I G. 9

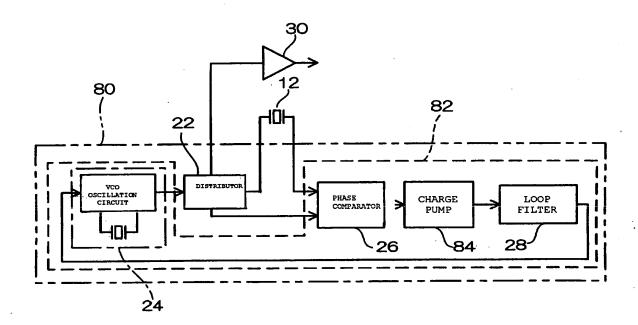


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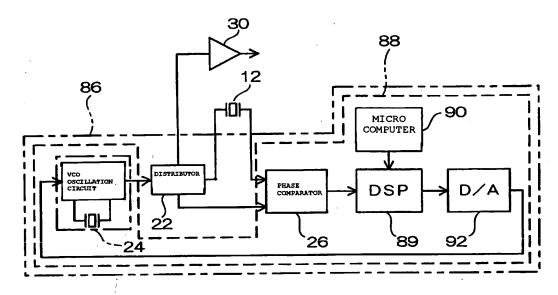


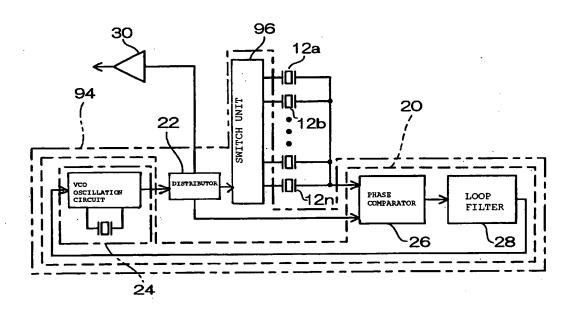
F I G. 12



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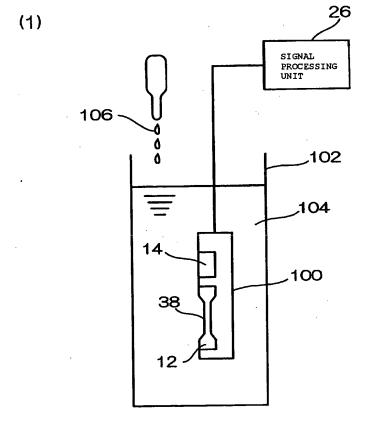
FIG. 13

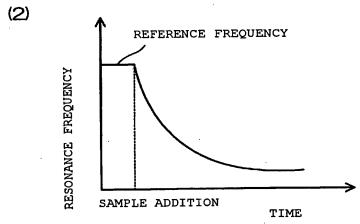




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FIG. 15





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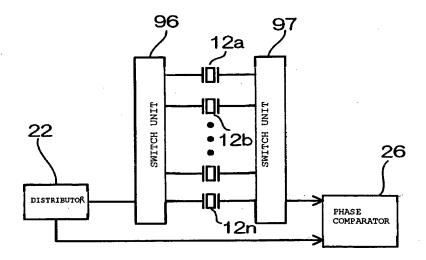


FIG. 17

